



State of New Hampshire  
DEPARTMENT OF ENVIRONMENTAL SERVICES

6 Hazen Drive, P.O. Box 95, Concord, NH 03302-0095  
(603) 271-3406 FAX (603) 271-7894



March 5, 2003  
**Letter of Deficiency**  
DSP #03-023

Mr. Frederic W. Bard, Chairman  
Town of Lempster  
P.O. Box 33  
Lempster, NH 03606

RE: Long Pond Dam #136.01, Lempster

Dear Chairman Bard:

The Department of Environmental Services, Dam Bureau (DES) consistently strives to enhance the safety of dams in New Hampshire through its dam safety program. One of the many instruments that play a part in reaching this goal is our inspection program. DES is forwarding this correspondence to you to advise you that in accordance with RSA 482:12 and Env-Wr 502.02, an inspection of the subject dam was conducted on October 17, 2002. During this visual inspection and/or file review, the following items were observed:

- The embankment located to the right (looking downstream) of the spillway extends approximately 150-250 feet to the right of the right end of the stone masonry wall and is completely overgrown with trees. In addition the crest width is less than 6 feet in a couple of locations along its length;
2. The crest of the right embankment located at the right end of the stone masonry wall and contact with the earth embankment (to the right of the spillway) is approximately 2 feet +/- lower than the top of the stone masonry wall. There are also misplaced stones at the same location;
  3. There is missing fill at the right end of the spillway between the concrete spillway training wall and stone masonry wall;
  4. There is approximately 4 feet of sediment on the upstream face of the stoplogs
  5. There is debris on the downstream face of the stoplogs;
  6. The stoplogs are in good condition with minor seepage observed. No stoplog locking device was installed as mentioned in a August 2001 correspondence from the Town;
  7. There is a tree located on the left embankment crest; and
  8. The operation and maintenance plan (O&M) needs to be updated.

DES believes that the above deficiencies can be corrected by performing the following items by the indicated schedule:

**September 1, 2003:**

1. Remove all trees and brush from the right embankment upstream face, crest, downstream face, and for a distance of 15 feet from the toe of the embankment. The embankment is approximately 150-250 feet long;
2. Once tree clearing is conducted, measure and repair as necessary the crest of the dam to maintain a minimum 6 feet crest width;
3. Repair the low area on the right embankment crest located to the right of the spillway at the contact of the stone masonry wall and earth embankment;
4. Add fill to the right embankment crest between the concrete wall and stone masonry wall maintaining a minimum 6 feet crest width;
5. Remove the sediment from the upstream face of the stoplogs;
6. Remove the debris from the downstream side of the stoplogs;
7. Remove the tree from the left embankment crest and for a distance of 15 feet from all portions of the stone masonry wall;
8. If unauthorized stoplog operations are a continuing problem, install a stoplog locking device; and
9. Update the O&M plan.

DES is requesting that you complete and submit the attached "Intent to Complete Repairs" form, within 30 days of receipt of this letter, that will provide for correction of the identified deficiencies by the date(s) indicated above. If you believe changes to the items of work or dates are necessary, please make the changes directly on the form and provide a brief explanation. We have enclosed a self addressed stamped envelope for you to return this form.

Our intent in sending you this correspondence is to make you aware of items that DES believes warrant your attention to insure the continued safe operation of your dam. It is our hope that, through the submittal of the attached form and a commitment to keeping a well-maintained dam, you will voluntarily comply with the requested items of work. If we do not receive the intent form or a similarly adequate written reply, we will assume that you are in agreement with our findings and recommendations and DES will carry out follow-up inspections accordingly.

Letter of Deficiency  
Dam #136.01/DSP #03-023  
March 5, 2003  
pg. 3

If you have any questions or comments regarding this Letter of Deficiency or would like to be present at future inspections, please contact me at 271-3406, or write to the Water Division at the address listed on the top of the previous page.

Sincerely,

**COPY**

Jeffrey M. Blaney  
Dam Safety Engineer

Attachments DB8, DB13

cc: Gretchen Rule ✓

Certified # 7000 1670 0000 0586 1681

JMB/was/h:/safety/lod/136-01lod.doc